Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.00V, Id = 53.22mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	22.66	41.81	2.37	6.87	1.91	1.17	28.99	16.61	1.37
520.0	23.30	40.98	2.92	7.53	1.91	1.15	28.52	17.01	1.11
540.0	23.84	40.32	3.59	8.25	1.92	1.12	28.24	17.28	1.08
560.0	24.27	39.72	4.35	9.00	1.94	1.09	28.47	17.59	0.94
580.0	24.61	39.23	5.21	9.78	1.95	1.06	28.71	18.00	0.87
600.0	24.87	38.85	6.17	10.58	1.98	1.04	28.64	18.39	0.82
620.0	25.05	38.52	7.25	11.38	2.00	1.01	28.66	18.63	0.71
640.0	25.17	38.27	8.43	12.16	2.02	0.98	28.73	18.93	0.71
660.0	25.23	38.07	9.74	12.91	2.05	0.96	29.01	19.10	0.60
680.0	25.25	37.93	11.17	13.62	2.08	0.95	29.38	19.40	0.63
700.0	25.23	37.83	12.74	14.30	2.11	0.94	29.50	19.64	0.61
720.0	25.18	37.75	14.52	14.92	2.14	0.93	29.40	19.68	0.57
740.0	25.10	37.70	16.50	15.52	2.17	0.93	29.75	19.68	0.58
760.0	25.01	37.67	18.72	16.03	2.20	0.93	29.91	19.75	0.53
780.0	24.90	37.67	21.17	16.52	2.24	0.93	30.04	19.89	0.47
800.0	24.77	37.64	23.60	17.03	2.27	0.93	30.35	19.98	0.53
820.0	24.65	37.65	25.25	17.46	2.30	0.93	30.91	19.71	0.58
840.0	24.51	37.67	24.85	17.90	2.34	0.94	30.59	19.93	0.49
860.0	24.37	37.69	23.33	18.27	2.38	0.94	30.71	19.87	0.52
880.0	24.23	37.72	21.60	18.62	2.41	0.95	30.70	20.09	0.46
900.0	24.08	37.75	20.06	18.92	2.45	0.96	31.05	19.70	0.51
920.0	23.93	37.79	18.80	19.20	2.49	0.96	31.21	19.69	0.51
960.0	23.64	37.85	16.87	19.61	2.57	0.98	30.76	20.11	0.50
980.0	23.48	37.90	16.08	19.71	2.62	0.98	31.35	19.36	0.47
1000.0	23.33	37.94	15.44	19.74	2.66	0.99	30.04	20.13	0.46
1100.0	22.60	38.16	13.20	18.81	2.88	1.01	31.18	19.75	0.46
1200.0	21.89	38.38	11.89	16.73	3.11	1.03	31.03	19.72	0.53
1300.0	21.20	38.57	11.08	14.55	3.33	1.03	30.79	19.44	0.55
1400.0	20.53	38.72	10.49	12.56	3.53	1.02	30.59	19.33	0.59
1500.0	19.88	39.00	10.08	10.92	3.79	1.00	30.50	18.95	0.72
1600.0	19.22	39.32	9.77	9.53	4.08	0.97	30.47	18.91	0.78
1700.0	18.58	39.53	9.52	8.35	4.30	0.94	30.50	18.26	0.74
1800.0	17.94	39.71	9.29	7.33	4.50	0.90	32.87	18.01	0.83
1900.0	17.29	39.98	9.11	6.46	4.74	0.85	33.27	17.71	0.85
2000.0	16.61	40.10	8.96	5.82	4.96	0.81	32.62	17.31	0.90

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.80V, Id = 50.04mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	22.51	41.53	2.35	6.86	1.88	1.17	28.51	16.15	1.35
520.0	23.16	40.71	2.91	7.53	1.88	1.15	28.17	16.59	1.12
540.0	23.70	40.05	3.58	8.25	1.90	1.12	27.92	16.81	1.10
560.0	24.15	39.43	4.35	9.01	1.91	1.09	28.12	17.17	0.94
580.0	24.49	38.95	5.22	9.81	1.92	1.06	28.23	17.56	0.86
600.0	24.75	38.56	6.19	10.62	1.95	1.03	28.39	17.95	0.83
620.0	24.94	38.23	7.28	11.43	1.97	1.00	28.21	18.19	0.71
640.0	25.06	37.97	8.48	12.24	1.99	0.98	28.40	18.50	0.71
660.0	25.12	37.78	9.81	13.00	2.02	0.96	28.74	18.65	0.59
680.0	25.14	37.64	11.27	13.74	2.04	0.95	29.07	18.96	0.64
700.0	25.12	37.54	12.88	14.45	2.07	0.94	28.98	19.19	0.62
720.0	25.07	37.47	14.70	15.09	2.10	0.93	29.17	19.22	0.57
740.0	24.98	37.41	16.69	15.70	2.13	0.93	29.61	19.24	0.61
760.0	24.89	37.37	18.90	16.23	2.16	0.92	29.73	19.31	0.54
780.0	24.78	37.37	21.31	16.72	2.20	0.93	29.78	19.45	0.52
800.0	24.66	37.37	23.37	17.25	2.23	0.93	30.10	19.54	0.52
820.0	24.53	37.38	24.35	17.70	2.27	0.93	30.59	19.30	0.58
840.0	24.39	37.40	23.59	18.14	2.30	0.94	30.39	19.50	0.49
860.0	24.25	37.40	22.11	18.52	2.33	0.95	30.42	19.44	0.50
880.0	24.10	37.44	20.52	18.88	2.37	0.95	30.46	19.66	0.48
900.0	23.95	37.48	19.15	19.18	2.41	0.96	30.68	19.27	0.49
920.0	23.81	37.52	18.02	19.46	2.45	0.97	30.87	19.28	0.48
960.0	23.51	37.58	16.22	19.87	2.53	0.98	30.47	19.70	0.48
980.0	23.35	37.62	15.49	19.96	2.57	0.99	31.04	18.95	0.45
1000.0	23.20	37.66	14.88	19.98	2.61	0.99	29.85	19.73	0.51
1100.0	22.46	37.90	12.78	18.95	2.83	1.02	31.17	19.39	0.46
1200.0	21.75	38.10	11.53	16.81	3.04	1.03	30.74	19.37	0.52
1300.0	21.05	38.30	10.77	14.59	3.27	1.03	30.50	19.08	0.55
1400.0	20.39	38.46	10.20	12.59	3.47	1.02	30.41	18.98	0.59
1500.0	19.73	38.72	9.81	10.93	3.71	1.00	30.19	18.61	0.71
1600.0	19.07	39.04	9.52	9.54	3.99	0.98	30.07	18.61	0.75
1700.0	18.43	39.26	9.29	8.36	4.22	0.94	30.09	17.92	0.73
1800.0	17.79	39.44	9.07	7.34	4.41	0.90	32.86	17.70	0.81
1900.0	17.14	39.73	8.91	6.47	4.66	0.86	32.07	17.39	0.90
2000.0	16.47	39.87	8.77	5.83	4.88	0.82	31.02	16.96	0.92

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.20V, Id = 55.75mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	22.81	42.09	2.38	6.86	1.94	1.17	29.47	16.97	1.37
520.0	23.44	41.28	2.95	7.52	1.94	1.15	29.10	17.41	1.13
540.0	23.97	40.61	3.60	8.23	1.96	1.12	28.43	17.70	1.08
560.0	24.40	40.03	4.37	8.97	1.97	1.09	28.77	18.02	0.96
580.0	24.73	39.56	5.21	9.74	1.99	1.06	29.00	18.42	0.89
600.0	24.99	39.16	6.16	10.52	2.01	1.04	29.09	18.83	0.81
620.0	25.16	38.85	7.22	11.29	2.04	1.01	29.05	19.07	0.71
640.0	25.28	38.60	8.39	12.04	2.06	0.99	29.10	19.35	0.71
660.0	25.34	38.40	9.66	12.76	2.08	0.97	29.52	19.49	0.61
680.0	25.36	38.26	11.06	13.45	2.12	0.95	29.76	19.80	0.61
700.0	25.34	38.17	12.60	14.10	2.15	0.94	29.92	20.04	0.63
720.0	25.29	38.08	14.33	14.69	2.18	0.93	29.81	20.08	0.57
740.0	25.21	38.01	16.27	15.27	2.21	0.93	30.29	20.06	0.59
760.0	25.12	37.97	18.48	15.75	2.24	0.93	30.16	20.12	0.53
780.0	25.02	37.98	20.93	16.21	2.28	0.93	30.46	20.26	0.51
800.0	24.89	37.97	23.65	16.71	2.32	0.93	30.62	20.35	0.53
820.0	24.76	37.98	25.97	17.13	2.35	0.93	31.13	20.09	0.60
840.0	24.63	37.99	26.27	17.55	2.39	0.94	30.81	20.29	0.48
860.0	24.50	38.00	24.86	17.91	2.42	0.94	30.78	20.27	0.51
880.0	24.35	38.03	22.87	18.26	2.47	0.95	31.12	20.45	0.49
900.0	24.21	38.05	21.17	18.56	2.50	0.96	31.27	20.06	0.53
920.0	24.06	38.08	19.74	18.84	2.54	0.96	31.23	20.04	0.50
960.0	23.77	38.16	17.60	19.27	2.63	0.97	30.98	20.47	0.49
980.0	23.62	38.18	16.74	19.40	2.67	0.98	31.39	19.70	0.44
1000.0	23.47	38.23	16.04	19.46	2.71	0.99	30.43	20.46	0.49
1100.0	22.74	38.47	13.64	18.71	2.95	1.01	31.14	20.09	0.46
1200.0	22.04	38.67	12.28	16.76	3.17	1.02	31.08	20.04	0.53
1300.0	21.35	38.87	11.43	14.62	3.41	1.02	30.95	19.75	0.57
1400.0	20.69	39.02	10.80	12.64	3.62	1.01	30.54	19.61	0.60
1500.0	20.04	39.29	10.35	10.99	3.88	1.00	30.49	19.26	0.72
1600.0	19.38	39.60	10.02	9.60	4.16	0.97	30.49	19.23	0.79
1700.0	18.74	39.81	9.77	8.41	4.40	0.93	30.36	18.52	0.74
1800.0	18.11	39.97	9.53	7.39	4.59	0.89	31.83	18.30	0.82
1900.0	17.46	40.25	9.33	6.51	4.84	0.85	32.52	18.06	0.89
2000.0	16.79	40.36	9.16	5.87	5.05	0.81	32.22	17.57	0.92

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.00V, Id = 53.54mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	23.11	42.16	2.19	6.69	1.81	1.17	29.13	16.93	0.99
520.0	23.74	41.37	2.71	7.35	1.82	1.15	28.72	17.31	0.75
540.0	24.27	40.69	3.32	8.07	1.84	1.13	28.49	17.63	0.78
560.0	24.70	40.11	4.03	8.83	1.86	1.11	28.75	17.90	0.62
580.0	25.04	39.63	4.81	9.62	1.88	1.08	29.01	18.29	0.59
600.0	25.30	39.21	5.69	10.42	1.90	1.05	28.90	18.64	0.56
620.0	25.49	38.86	6.67	11.22	1.93	1.02	28.83	18.85	0.47
640.0	25.63	38.61	7.73	12.01	1.95	1.00	29.36	19.14	0.49
660.0	25.69	38.39	8.90	12.77	1.98	0.98	29.29	19.26	0.37
680.0	25.73	38.24	10.16	13.50	2.01	0.96	29.73	19.57	0.40
700.0	25.71	38.11	11.54	14.20	2.04	0.95	29.83	19.74	0.41
720.0	25.68	38.01	13.06	14.82	2.06	0.94	29.74	19.80	0.36
740.0	25.60	37.94	14.73	15.44	2.10	0.93	29.98	19.80	0.42
760.0	25.52	37.90	16.58	15.95	2.12	0.93	30.30	19.84	0.35
780.0	25.43	37.88	18.64	16.43	2.16	0.93	30.40	19.98	0.32
800.0	25.31	37.85	21.10	16.96	2.19	0.93	30.51	20.07	0.34
820.0	25.20	37.84	23.74	17.39	2.22	0.93	30.88	19.82	0.36
840.0	25.07	37.83	26.42	17.81	2.25	0.93	30.63	20.01	0.31
860.0	24.94	37.84	27.80	18.16	2.29	0.93	30.71	19.97	0.32
880.0	24.80	37.86	26.68	18.49	2.32	0.94	30.73	20.15	0.31
900.0	24.66	37.87	24.72	18.75	2.35	0.94	30.92	19.78	0.32
920.0	24.52	37.88	22.80	18.98	2.39	0.95	30.93	19.77	0.29
960.0	24.24	37.95	19.90	19.29	2.47	0.96	30.32	20.17	0.31
980.0	24.09	37.97	18.83	19.36	2.50	0.97	31.19	19.44	0.24
1000.0	23.95	37.99	17.96	19.40	2.54	0.97	30.14	20.20	0.32
1100.0	23.25	38.17	15.18	18.92	2.74	0.99	30.68	19.83	0.27
1200.0	22.57	38.31	13.55	17.42	2.93	1.01	30.44	19.77	0.34
1300.0	21.92	38.46	12.62	15.31	3.14	1.01	30.17	19.47	0.34
1400.0	21.27	38.57	11.85	13.14	3.31	1.00	29.99	19.35	0.38
1500.0	20.63	38.82	11.31	11.36	3.54	0.98	29.72	19.00	0.47
1600.0	19.97	39.10	10.83	9.89	3.78	0.96	29.49	18.96	0.51
1700.0	19.35	39.27	10.56	8.64	3.97	0.93	29.54	18.32	0.48
1800.0	18.73	39.46	10.27	7.58	4.15	0.89	31.40	18.07	0.53
1900.0	18.10	39.76	10.02	6.68	4.38	0.85	30.85	17.78	0.58
2000.0	17.43	39.91	9.83	6.01	4.59	0.81	30.23	17.32	0.59

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.80V, Id = 50.21mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	22.75	41.91	2.14	6.60	1.80	1.17	28.62	16.15	0.98
520.0	23.40	41.12	2.66	7.25	1.81	1.15	28.20	16.48	0.74
540.0	23.95	40.42	3.27	7.95	1.83	1.13	27.88	16.80	0.72
560.0	24.40	39.82	3.97	8.70	1.85	1.10	28.21	17.12	0.70
580.0	24.76	39.32	4.78	9.48	1.87	1.08	28.43	17.44	0.60
600.0	25.03	38.91	5.67	10.29	1.89	1.05	28.62	17.84	0.55
620.0	25.23	38.55	6.68	11.09	1.91	1.02	28.49	18.06	0.50
640.0	25.37	38.29	7.77	11.88	1.94	0.99	28.79	18.36	0.48
660.0	25.45	38.08	8.99	12.65	1.97	0.97	29.09	18.57	0.38
680.0	25.48	37.92	10.31	13.39	2.00	0.95	29.38	18.90	0.41
700.0	25.47	37.81	11.76	14.09	2.03	0.94	29.25	19.12	0.41
720.0	25.43	37.70	13.35	14.72	2.05	0.93	29.39	19.19	0.36
740.0	25.36	37.64	15.12	15.34	2.09	0.93	29.51	19.24	0.41
760.0	25.28	37.59	17.04	15.86	2.11	0.92	30.04	19.28	0.35
780.0	25.18	37.58	19.17	16.34	2.15	0.92	29.80	19.42	0.32
800.0	25.06	37.56	21.48	16.86	2.18	0.93	30.12	19.51	0.33
820.0	24.93	37.56	23.64	17.29	2.21	0.93	30.67	19.29	0.37
840.0	24.81	37.56	24.71	17.70	2.24	0.93	30.36	19.50	0.29
860.0	24.67	37.58	24.30	18.05	2.28	0.94	30.31	19.49	0.32
880.0	24.52	37.60	22.99	18.37	2.32	0.94	30.36	19.67	0.31
900.0	24.38	37.64	21.43	18.62	2.36	0.95	30.43	19.29	0.33
920.0	24.24	37.65	20.04	18.84	2.39	0.95	30.44	19.29	0.30
960.0	23.95	37.70	17.81	19.13	2.46	0.97	29.91	19.73	0.28
980.0	23.80	37.74	16.97	19.21	2.49	0.97	30.55	18.98	0.29
1000.0	23.65	37.77	16.27	19.23	2.53	0.98	29.66	19.77	0.31
1100.0	22.94	37.96	13.92	18.76	2.74	1.00	30.30	19.45	0.26
1200.0	22.25	38.13	12.53	17.30	2.94	1.02	30.07	19.39	0.34
1300.0	21.58	38.30	11.70	15.23	3.15	1.02	29.78	19.12	0.35
1400.0	20.93	38.42	11.02	13.09	3.33	1.01	29.64	18.99	0.37
1500.0	20.28	38.69	10.54	11.32	3.57	1.00	29.35	18.68	0.48
1600.0	19.63	38.95	10.12	9.86	3.80	0.97	29.06	18.65	0.51
1700.0	19.00	39.14	9.89	8.62	4.00	0.94	28.96	17.97	0.48
1800.0	18.37	39.34	9.65	7.57	4.19	0.90	30.89	17.71	0.53
1900.0	17.74	39.61	9.45	6.67	4.42	0.86	29.94	17.42	0.59
2000.0	17.07	39.78	9.29	6.00	4.64	0.82	29.04	16.95	0.59

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.20V, Id = 57.23mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	23.10	42.49	2.18	6.62	1.85	1.17	29.18	17.45	0.97
520.0	23.73	41.67	2.70	7.26	1.86	1.15	28.86	17.79	0.74
540.0	24.26	41.01	3.30	7.96	1.88	1.13	28.52	18.12	0.76
560.0	24.70	40.42	4.00	8.69	1.90	1.11	28.82	18.39	0.65
580.0	25.04	39.93	4.79	9.45	1.93	1.08	29.04	18.73	0.59
600.0	25.30	39.54	5.64	10.23	1.95	1.05	29.16	19.16	0.58
620.0	25.49	39.18	6.62	10.99	1.98	1.02	29.18	19.36	0.46
640.0	25.63	38.92	7.68	11.74	2.00	1.00	29.32	19.66	0.48
660.0	25.70	38.69	8.82	12.46	2.03	0.98	29.62	19.78	0.37
680.0	25.73	38.54	10.08	13.15	2.06	0.96	29.82	20.07	0.40
700.0	25.72	38.43	11.45	13.80	2.09	0.95	30.05	20.29	0.39
720.0	25.69	38.33	12.95	14.39	2.12	0.94	29.95	20.31	0.36
740.0	25.61	38.25	14.59	14.96	2.15	0.93	30.15	20.33	0.38
760.0	25.54	38.21	16.40	15.44	2.18	0.93	30.46	20.36	0.32
780.0	25.44	38.20	18.43	15.90	2.22	0.93	30.55	20.50	0.29
800.0	25.33	38.17	20.82	16.39	2.25	0.93	30.57	20.59	0.33
820.0	25.21	38.16	23.45	16.79	2.29	0.93	31.05	20.33	0.36
840.0	25.08	38.15	26.08	17.19	2.32	0.93	30.97	20.52	0.30
860.0	24.95	38.16	27.48	17.52	2.35	0.94	30.58	20.48	0.30
880.0	24.81	38.17	26.65	17.84	2.39	0.94	30.87	20.68	0.29
900.0	24.68	38.20	24.74	18.09	2.43	0.94	31.12	20.28	0.34
920.0	24.54	38.23	22.86	18.32	2.47	0.95	31.15	20.28	0.29
960.0	24.25	38.28	19.93	18.65	2.54	0.96	30.46	20.71	0.31
980.0	24.11	38.30	18.90	18.74	2.58	0.97	31.04	19.93	0.24
1000.0	23.97	38.34	18.03	18.80	2.62	0.97	30.28	20.72	0.29
1100.0	23.26	38.52	15.21	18.52	2.84	0.99	30.66	20.35	0.27
1200.0	22.59	38.68	13.57	17.25	3.05	1.01	30.34	20.32	0.33
1300.0	21.93	38.83	12.62	15.29	3.26	1.01	30.20	19.99	0.34
1400.0	21.29	38.94	11.86	13.18	3.44	1.00	29.95	19.87	0.36
1500.0	20.65	39.21	11.30	11.40	3.69	0.98	29.77	19.48	0.46
1600.0	20.00	39.49	10.82	9.94	3.95	0.96	29.46	19.47	0.52
1700.0	19.37	39.67	10.54	8.70	4.15	0.93	29.33	18.80	0.48
1800.0	18.75	39.86	10.27	7.63	4.34	0.89	31.04	18.54	0.53
1900.0	18.12	40.12	10.03	6.73	4.56	0.85	30.71	18.23	0.57
2000.0	17.45	40.27	9.84	6.05	4.78	0.81	30.34	17.81	0.58

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.00V, Id = 53.48mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	22.18	41.81	2.41	6.97	2.02	1.18	28.68	16.48	1.66
520.0	22.85	41.01	2.98	7.64	2.02	1.16	28.31	16.76	1.41
540.0	23.41	40.33	3.66	8.35	2.03	1.13	27.89	17.03	1.34
560.0	23.86	39.75	4.45	9.10	2.04	1.10	28.01	17.35	1.23
580.0	24.22	39.26	5.34	9.87	2.05	1.07	28.17	17.66	1.11
600.0	24.48	38.86	6.34	10.66	2.07	1.04	28.11	18.02	1.11
620.0	24.67	38.53	7.46	11.43	2.09	1.01	28.15	18.21	0.97
640.0	24.79	38.28	8.69	12.18	2.12	0.98	28.26	18.51	0.93
660.0	24.86	38.11	10.07	12.90	2.15	0.96	28.44	18.71	0.80
680.0	24.87	37.97	11.59	13.58	2.18	0.95	28.63	18.93	0.79
700.0	24.85	37.88	13.29	14.23	2.21	0.94	28.79	19.13	0.78
720.0	24.80	37.81	15.20	14.81	2.24	0.93	28.57	19.19	0.74
740.0	24.72	37.77	17.33	15.37	2.27	0.93	28.93	19.23	0.82
760.0	24.62	37.75	19.63	15.82	2.31	0.93	29.22	19.31	0.69
780.0	24.51	37.78	21.87	16.27	2.35	0.93	29.31	19.42	0.68
800.0	24.38	37.76	23.24	16.69	2.38	0.94	29.47	19.51	0.69
820.0	24.25	37.78	23.11	17.07	2.42	0.94	29.86	19.31	0.69
840.0	24.11	37.81	21.75	17.42	2.46	0.95	29.65	19.51	0.63
860.0	23.96	37.84	20.20	17.72	2.50	0.95	29.86	19.48	0.64
880.0	23.81	37.90	18.82	18.00	2.55	0.96	29.80	19.68	0.63
900.0	23.66	37.95	17.66	18.24	2.59	0.97	29.92	19.36	0.66
920.0	23.51	37.99	16.67	18.45	2.64	0.98	30.13	19.33	0.63
960.0	23.21	38.10	15.09	18.74	2.73	0.99	29.69	19.77	0.61
980.0	23.05	38.14	14.46	18.81	2.77	1.00	29.97	19.05	0.60
1000.0	22.90	38.20	13.90	18.82	2.82	1.01	29.21	19.74	0.63
1100.0	22.14	38.50	11.99	18.04	3.08	1.03	30.18	19.44	0.58
1200.0	21.42	38.78	10.88	16.31	3.34	1.05	30.07	19.43	0.70
1300.0	20.73	39.05	10.19	14.36	3.62	1.05	29.79	19.18	0.73
1400.0	20.06	39.28	9.69	12.50	3.88	1.04	29.46	19.04	0.77
1500.0	19.41	39.52	9.32	10.90	4.14	1.02	29.26	18.73	0.92
1600.0	18.75	39.87	9.08	9.55	4.48	0.99	29.48	18.69	0.96
1700.0	18.11	40.11	8.88	8.39	4.75	0.96	29.07	18.11	0.98
1800.0	17.48	40.31	8.69	7.38	4.98	0.91	30.46	17.91	1.05
1900.0	16.83	40.53	8.56	6.51	5.24	0.87	30.80	17.63	1.12
2000.0	16.15	40.64	8.43	5.88	5.48	0.83	30.59	17.20	1.18

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.80V, Id = 50.31mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	21.97	41.67	2.37	6.94	2.01	1.18	28.21	15.86	1.71
520.0	22.64	40.85	2.94	7.60	2.01	1.16	27.80	16.24	1.41
540.0	23.21	40.14	3.62	8.31	2.02	1.13	27.42	16.51	1.33
560.0	23.67	39.53	4.41	9.05	2.02	1.10	27.71	16.76	1.22
580.0	24.04	39.06	5.30	9.82	2.04	1.07	27.86	17.11	1.11
600.0	24.31	38.67	6.29	10.60	2.06	1.04	27.98	17.46	1.08
620.0	24.50	38.34	7.41	11.37	2.08	1.01	27.74	17.67	0.97
640.0	24.64	38.11	8.64	12.12	2.11	0.98	27.83	18.01	0.91
660.0	24.70	37.90	10.00	12.84	2.13	0.96	27.91	18.24	0.80
680.0	24.73	37.77	11.52	13.52	2.16	0.95	28.33	18.57	0.79
700.0	24.71	37.70	13.22	14.16	2.20	0.94	28.31	18.78	0.80
720.0	24.66	37.61	15.11	14.74	2.22	0.93	28.32	18.85	0.74
740.0	24.57	37.58	17.17	15.29	2.26	0.93	28.66	18.88	0.78
760.0	24.48	37.56	19.34	15.74	2.29	0.93	28.82	18.95	0.71
780.0	24.37	37.59	21.21	16.18	2.34	0.93	28.96	19.09	0.81
800.0	24.24	37.58	22.17	16.60	2.37	0.94	29.17	19.21	0.65
820.0	24.10	37.62	21.88	16.97	2.41	0.94	29.67	18.99	0.69
840.0	23.97	37.65	20.64	17.31	2.45	0.95	29.40	19.18	0.62
860.0	23.82	37.68	19.29	17.61	2.49	0.96	29.47	19.14	0.65
880.0	23.67	37.74	18.05	17.89	2.54	0.96	29.59	19.33	0.63
900.0	23.52	37.79	16.97	18.13	2.58	0.97	29.77	19.02	0.66
920.0	23.37	37.85	16.07	18.35	2.62	0.98	29.86	19.00	0.64
960.0	23.06	37.95	14.58	18.67	2.72	1.00	29.54	19.43	0.60
980.0	22.90	38.01	13.99	18.75	2.76	1.00	29.97	18.74	0.62
1000.0	22.75	38.07	13.48	18.79	2.81	1.01	28.94	19.40	0.64
1100.0	21.99	38.38	11.64	18.14	3.07	1.04	30.09	19.11	0.59
1200.0	21.27	38.68	10.55	16.47	3.34	1.06	30.04	19.12	0.68
1300.0	20.58	38.97	9.91	14.53	3.62	1.06	29.61	18.88	0.72
1400.0	19.92	39.21	9.41	12.67	3.88	1.05	29.36	18.77	0.76
1500.0	19.27	39.45	9.06	11.05	4.15	1.03	29.14	18.42	0.90
1600.0	18.61	39.83	8.84	9.69	4.51	1.00	29.45	18.45	0.97
1700.0	17.98	40.06	8.65	8.52	4.78	0.97	29.21	17.76	0.97
1800.0	17.35	40.26	8.46	7.49	5.01	0.93	30.70	17.57	1.04
1900.0	16.70	40.52	8.34	6.61	5.29	0.88	31.40	17.29	1.13
2000.0	16.03	40.64	8.22	5.98	5.54	0.84	31.10	16.84	1.19

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.20V, Id = 56.66mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	22.29	42.18	2.42	6.95	2.07	1.18	29.06	16.79	1.74
520.0	22.95	41.40	3.00	7.60	2.08	1.16	28.66	17.10	1.41
540.0	23.50	40.74	3.67	8.30	2.09	1.13	28.29	17.39	1.36
560.0	23.95	40.14	4.46	9.02	2.10	1.10	28.36	17.65	1.20
580.0	24.30	39.68	5.34	9.76	2.12	1.07	28.43	17.95	1.11
600.0	24.56	39.28	6.32	10.51	2.14	1.04	28.59	18.27	1.09
620.0	24.74	38.98	7.43	11.24	2.17	1.01	28.50	18.45	0.94
640.0	24.87	38.72	8.63	11.95	2.18	0.99	28.52	18.72	0.91
660.0	24.93	38.54	9.97	12.62	2.21	0.97	28.77	18.89	0.79
680.0	24.95	38.42	11.47	13.25	2.25	0.95	29.23	19.16	0.80
700.0	24.93	38.32	13.12	13.85	2.28	0.94	29.08	19.32	0.80
720.0	24.88	38.25	15.01	14.38	2.31	0.93	29.13	19.42	0.72
740.0	24.80	38.21	17.13	14.89	2.35	0.93	29.41	19.45	0.74
760.0	24.71	38.19	19.51	15.31	2.39	0.93	29.44	19.55	0.70
780.0	24.60	38.22	21.87	15.73	2.43	0.93	29.82	19.67	0.65
800.0	24.47	38.23	23.75	16.12	2.48	0.93	29.83	19.77	0.68
820.0	24.35	38.25	24.08	16.47	2.52	0.94	30.03	19.57	0.72
840.0	24.21	38.26	22.82	16.80	2.55	0.95	30.00	19.76	0.64
860.0	24.06	38.31	21.18	17.09	2.60	0.95	30.25	19.73	0.63
880.0	23.92	38.36	19.65	17.36	2.65	0.96	30.26	19.90	0.64
900.0	23.77	38.41	18.38	17.60	2.70	0.97	30.26	19.61	0.62
920.0	23.62	38.46	17.31	17.83	2.74	0.97	30.18	19.58	0.64
960.0	23.32	38.56	15.63	18.18	2.84	0.99	30.17	20.00	0.62
980.0	23.17	38.60	14.94	18.28	2.88	0.99	30.13	19.30	0.59
1000.0	23.01	38.66	14.35	18.34	2.93	1.00	29.68	20.01	0.63
1100.0	22.27	38.98	12.33	17.88	3.21	1.03	30.43	19.67	0.60
1200.0	21.56	39.27	11.16	16.39	3.50	1.04	30.21	19.65	0.69
1300.0	20.87	39.55	10.45	14.54	3.79	1.05	29.91	19.42	0.73
1400.0	20.21	39.80	9.91	12.72	4.08	1.04	29.68	19.30	0.77
1500.0	19.57	40.07	9.53	11.11	4.37	1.02	29.42	18.98	0.91
1600.0	18.91	40.42	9.28	9.75	4.73	0.99	29.61	18.89	0.97
1700.0	18.28	40.65	9.06	8.57	5.01	0.96	29.25	18.35	0.95
1800.0	17.65	40.84	8.86	7.54	5.26	0.92	30.17	18.15	1.06
1900.0	17.01	41.05	8.72	6.66	5.52	0.87	30.70	17.92	1.12
2000.0	16.34	41.10	8.58	6.02	5.74	0.84	30.39	17.50	1.17